

# PRODUCT DATASHEET

## SF BLKH S 250 P 10W 830 WT IP65

SURFACE BULKHEAD 250 SENSOR | Robust wall and ceiling luminaire with IP65 protection and high-frequency sensor



### Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

### Product benefits

- Multiple adjustments of sensor range, daylight detection and hold time
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- Separate covers available for an aesthetic and functional product design
- 5 years guarantee
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)

### Product features

- High frequency sensor for daylight and motion detection
- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- Impact resistance: IK10
- Push wire terminal for tool-free connection
- Through-wiring possible
- Type of protection: IP65
- Luminous flux: up to 800 lm
- High luminous efficacy: up to 80 lm/W
- Lifetime (L70/B50): up to 50,000 h (at 25 °C)
- Ambient temperature in operation: -20...+40 °C

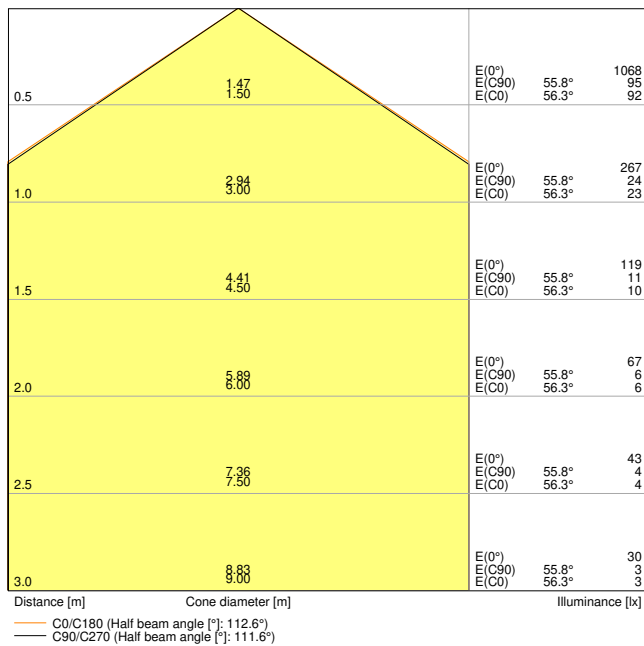
## TECHNICAL DATA

### Electrical data

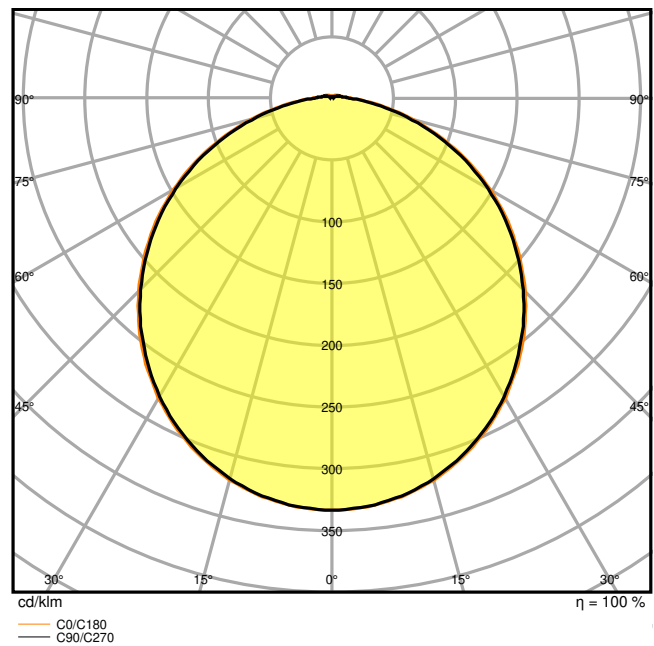
Nominal wattage	10.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	350.000 mA
Inrush current	4.52 A
Inrush current time $T_{h50}$	685 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	30
Max. number of luminaires per miniature circuit breaker C16	49
Power factor $\lambda$	$\geq 0.5$
Total harmonic distortion	< 8 %
Protection class	II
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	800 lm
Luminous efficacy	80 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdc <sub>m</sub>
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °



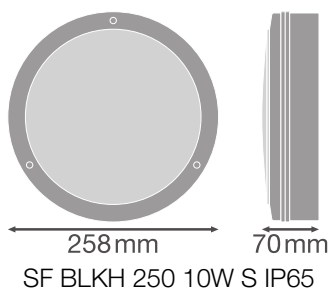
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Dimensions & Weight

Diameter	250.00 mm
Height	70.00 mm
Product weight	640.00 g



Materials & Colors

Product color	White
Housing color	White
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C

Mercury content	0.0 mg
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### Application & Mounting

Ambient temperature range	-20...40 °C
Type of connection	Screwless terminal
Type of protection	IP65
Protection class IK (shock resistance)	IK10
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Outdoor
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	35000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	20000 h
Number of switching cycles	100000

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### Control gear

Output current	350 mA
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### Sensor

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	150 °
Sensor controlled switching time	5 s...30 min
Detection range of motion sensor	3...8 m
Detection threshold of daylight sensor	2...50 lx
Sensor IP rating	IP20

### Emergency lighting

Type of emergency operation test	None
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### Certificates & Standards



Standards	CE / CB
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

## EQUIPMENT / ACCESSORIES



- Additional cover rings in different designs available
- Mounting screws and dowels included

## DOWNLOAD DATA


Documents and certificates		Document name
	User instruction	SF BLKH S 250, 300 P IP65
	Addon Technical Information	LS Insert SF Bulkhead Sensor P
	Packaging insert	Legal insert SF BLKG S P IP65
	Declarations Of Conformity CE	EC declaration SF BLKH S LUM
	Declarations Of Conformity UKCA	SF BLKH S IP65
	Declarations Of Conformity UKCA	SF BLKH S P IP65
	Certificates	CEE Eligibility Attestation BAR-EQ-110 FR
Photometric and lighting design files		Document name
	IES file (IES)	SF BLKH 250 10W 3000K S WT IP65
	IES file (IES)	SF BLKH 250 10W 3000K S WT IP65
	IES file (IES)	SF BLKH 250 10W 3000K S WT IP65
	LDT file (Eulumdat)	SF BLKH 250 10W 3000K S WT IP65
	LDT file (Eulumdat)	SF BLKH 250 10W 3000K S WT IP65
	LDT file (Eulumdat)	SF BLKH 250 10W 3000K S WT IP65
	ULD file (DIALux)	SF BLKH S 250 P 10W 830 WT IP65
	ROLF file (RELUX)	SF BLKH S 250 P 10W 830
	UGR file (UGR table)	SF BLKH S 250 P 10W 830 WT IP65

Photometric and lighting design files		Document name
	LDC typ cone	SF BLKH S 250 P 10W 830 WT IP65
	LDC typ polar	SF BLKH S 250 P 10W 830 WT IP65

CAD/BIM files		Document name
	BIM_Revit_3D	SF BLKH 300 P
	CAD_STEP_3D	SF BLKH 250

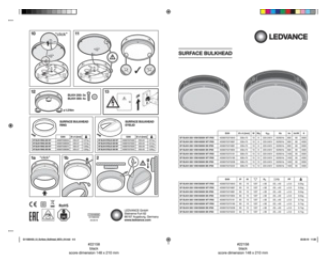
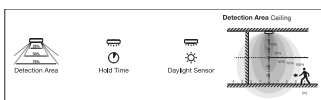
Tender texts	Document name
	Tender documents SURFACE BULKHEAD 250 SENSOR 10W 830 WT IP65-EN

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075647220	Folding box 1	74 mm x 272 mm x 262 mm	722.00 g	5.27 dm <sup>3</sup>
4058075647237	Shipping box 8	550 mm x 285 mm x 315 mm	6358.00 g	49.38 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

**ADDITIONAL CATALOG INFORMATION**



**References / Links**

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

**DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.